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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/634,356	08/09/2000	Terrence Eugene Sterkel		5710

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EXAMINER

LEI, TSULEUN R

ART UNIT	PAPER NUMBER
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2684

DATE MAILED: 01/28/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/634,356

Applicant(s)

STERKEL, TERRENCE EUGENE

Examiner

T. Richard Lei

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Specification

1. The use of the trademark "BlurTooth" has been noted in this application, and specifically, in Claim10. It should be capitalized wherever it appears and be accompanied by the generic terminology.

Although the use of trademarks is permissible in patent applications, the proprietary nature of the marks should be respected and every effort made to prevent their use in any manner which might adversely affect their validity as trademarks.

Claim Objections

2. Claim 2 is objected to because of the following informalities: the word "and" after "claim 1" is an extra word and should be removed. Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4. Claims 1-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Lewis et al. (U.S. Patent 6,192,255).

Regarding Claim 1, Lewis teaches a wireless telephone, comprising: a basic telephone module for establishing a connection to a base station and processing voice and data for communication with the base station, the basic telephone module being operative to perform time critical functions for communication with the base station (Col.2, Line 64 to Col.3, Line 5); and an enhanced services module adapted to connect with the basic telephone module in order to perform non time critical functions, the enhanced services module receiving data from the basic telephone module, processing the data and passing processed data to the basic telephone module during intervals when the basic telephone data has sufficient idle processing capacity available to receive the data (Col.3, Lines 5-9, application modules).

Regarding Claim 2, Lewis teaches the telephone of claim 1 also including an interface module for transferring data between the basic telephone module and the enhanced services module (Figs. 7 and 8, the bus and the associated circuits provide the function of a interface module).

Regarding Claim 3, Lewis teaches the telephone of claim 2 wherein the enhanced services module further comprises: a processor; a memory; and a bus for transferring data between the processor and the memory, the bus also transferring data to and from the basic telephone module through the interface module (Figs. 7, 8, and 10).

Regarding Claim 4, Lewis teaches the telephone of claim 3 wherein the basic telephone module, the enhanced services module and the interface module each include connectors to allow easy connection and disconnection of the basic telephone module to and from the enhanced services module (Fig. 10, connector).

Regarding Claim 5, Lewis teaches the telephone of claim 4 wherein the connectors are zero insertion force connectors (Official notice: zero insertion force connectors are commonly used for modules or ICs that require frequent insertion and removal).

Regarding Claim 6, Lewis teaches the telephone of claim 2 wherein the interface module comprises a universal serial bus connection (Figs. 7 and 8).

Regarding Claim 7, Lewis teaches the telephone of claim 2 wherein the interface module further comprises a memory module accessible to both the basic telephone module and the enhanced services module (Fig.8).

Regarding Claim 8, Lewis teaches the telephone of claim 3 wherein the enhanced services module further comprises external device interfaces for connecting the telephone to external devices and wherein the bus also transfers data between the processor and the external device interfaces (Col.3, Line 22).

Regarding Claim 9, Lewis teaches the telephone of claim 8 wherein the external device interfaces include a subscriber identity module interface (Col.4, Lines 47-52).

Regarding Claim 10, Lewis teaches the telephone of claim 9, wherein the external device interfaces include a Y-cable interface, an infrared device adapter interface (Col.3, Line53, infrared) and a BlueTooth interface (Col.3, Line 57, microstrip antenna, which is used for short range or BlueTooth communications).

Regarding Claim 11, Lewis teaches the telephone of claim 10 wherein the enhanced services module performs a worldwide web browser function to allow user communication over an Internet connection (Col.7, Line 29, by the use of "personal computer" stated here, internet connection can be established; also see Col.3, Line 40, on-line data base services)).

Regarding Claim 12, Lewis teaches the telephone of claim 11 wherein the basic telephone module includes user interface components and wherein the enhanced services module provides enhancements to the user interface components of the basic telephone module by receiving basic data signals from the user interface components, retrieving enhanced data signals, previously stored in the enhanced services module, in response to the basic data signals and supplying the enhanced data signals to the basic telephone module (Figs.7 and 8).

Regarding Claim 13, Lewis teaches the telephone of claim 12 wherein the user interface components of the basic telephone module include a keypad and wherein the enhanced services module receives keystroke information from the basic telephone module, retrieves enhanced keystroke data previously stored in the enhanced services module, in response to the keystroke information, and supplies the enhanced keystroke data to the basic telephone module (Figs. 7 and 8).

Regarding Claim 14, Lewis teaches the telephone of claim 13 wherein the user interface components of the basic telephone module include a display and wherein the enhanced services module receives display data from the basic telephone module, adds display enhancements to the display data and transfers the display data and display enhancements to the basic telephone module for display (Figs.8 and 9).

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Regarding Claim 15, Lewis teaches the telephone of claim 14 wherein the enhanced services module produces enhanced services module display data and transfers the enhanced services module display data to the basic telephone module in order to display the enhanced services module display data (Figs.8 and9).

Regarding Claim 16, Lewis teaches the telephone of claim 15 wherein the enhanced services module display data includes personal organizer information retrieved from the enhanced services module and processed for display (Fig.9b).

Regarding Claim 17, Lewis teaches a method of wireless communication, comprising: connecting a basic telephone module to an enhanced services module; receiving inputs from a user and transferring data between the basic telephone module and the enhanced services module in order to perform functions selected by the user; transferring subscriber information from the enhanced services module to the basic telephone module; and conducting communication functions with the base station using the basic telephone module to perform time critical functions and the enhanced services module to perform non time critical functions, transferring data between the basic telephone module and the enhanced services module as needed to perform desired functions (Figs. 7-10; Col.2, Line 44 to Col.3, Line 41).

Regarding Claim 18, Lewis teaches a method of upgrading a wireless telephone comprising the steps of removing an enhanced services module from a basic telephone module;

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and connecting the enhanced services module to a new basic telephone module (Col.3, Line 64 to Col.4, Line 13).

Regarding Claim 19, Lewis teaches a method of upgrading a wireless telephone comprising the steps of removing an enhanced services module from a basic telephone module; and connecting the basic telephone module to a new enhanced services module (Col.3, Line 64 to Col.4, Line 13).

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Erkkilia et al. (U.S. Patent 6,219,560) teaches a modular mobile communication system.

Cook (U.S Patent 6,477,357) teaches a customizable wireless device having stackable modules.

Robb (U.S Patent 6,177,950) discloses a multifunctional portable telephone.

Parulski et al. (U.S Patent 6,122,526) discloses a cellular telephone and electronic camera system with programmable transmission capability.

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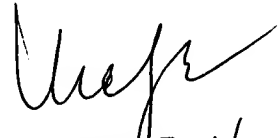
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to T. Richard Lei whose telephone number is 703-305-4828. The examiner can normally be reached on 8:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dan Hunter can be reached on 703-308-6732. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-5403 for regular communications and 703-308-5403 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

TRL

TRL
January 14, 2003


T. RICHARD LEI
1/24/03
